

10/772,689
Amdt. Dated Oct. 05, 2005
Reply to Office Action of Jul. 22, 2005

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Please cancel claims 5, 7-8, 10 and 14-23.

Listing of Claims

1 (Currently Amended). A golf ball comprising:

a center core component formed from a first composition comprising a sulfur cured cis-1,4 polybutadiene, and an accelerator, the accelerator comprising at least one of mercaptobenzothiazoles, sulfenamides, dithiocarbamates, thiuram sulfides, guanidines, thioureas, xanthates, dithiophosphates, aldehyde-amines, dibenzothiadyl disulfide, N,N'-dicyclohexyl-2-benzothia- dylsulfenamide, hexamethylenetetramine, mercaptobenzothiazole, tetramethylthiuram disulfide, tetraethylthiuram disulfide, tetrabutylthiuram disulfide or combinations thereof;

at least one core layer disposed about said center core component thereby forming an intermediate ball, said core layer formed from a second composition comprising a cis-1,4 polybutadiene, polyisoprene, EPR, EPDM, styrene-butadiene rubber, natural rubber, and mixtures thereof; and a peroxide curing agent; and
at least one cover layer disposed about said core layer thereby forming said golf ball.

2(Original). The golf ball of claim 1 wherein said center core component has a diameter of from about 0.35 inches to about 1.20 inches.

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3 (Previously Amended). The golf ball of claim 2 wherein said center core component is free of carboxylic acid salt.

4 (Original). The golf ball of claim 1 wherein said core layer has a diameter of from about 1.450 inches to about 1.650 inches.

5(Canceled).

6 (Previously Amended). The golf ball of claim 1 wherein said sulfur cured polybutadiene has a cis-1,4 content greater than 90 percent.

7- 12(Canceled).

13 (Original). The golf ball of claim 1 wherein said peroxide curing agent comprises at least one of dicumyl peroxide; 2,5-dimethyl-2,5-di(t-butylperoxy) hexane; 2,5-dimethyl-2,5-di(t-butylperoxy) hexyne; 2,5-dimethyl-2,5-di(benzoylperoxy) hexane; 2,2'-bis(t-butylperoxy)-di-iso- -propylbenzene; 1,1-bis(t-butylperoxy)-3,3,5-trimethyl cyclohexane; n-butyl 4,4-bis(t-butyl-peroxy) valerate; t-butyl perbenzoate; benzoyl peroxide; t-butyl peroxy-3,5,5 trimethylhexanoate or combinations thereof.

14-23 (Canceled).